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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/756,481C

DATE: 09/12/2002
TIME: 10:22:29

Input Set : A:\47547843.app
Output Set: N:\CRF4\09122002\I756481C.raw

ENTERED

3 <110> APPLICANT: MARCHIONNI, MARK
 4 JARPE, MICHAEL
 5 EBENDAL, TED
 7 <120> TITLE OF INVENTION: METHODS FOR TREATING NEUROLOGICAL INJURIES AND
 8 DISORDERS
 10 <130> FILE REFERENCE: 47506(47843)
 12 <140> CURRENT APPLICATION NUMBER: 09/756,481C
 C--> 13 <141> CURRENT FILING DATE: 2002-08-30
 15 <150> PRIOR APPLICATION NUMBER: PCT/US99/15106
 16 <151> PRIOR FILING DATE: 1999-07-02
 18 <150> PRIOR APPLICATION NUMBER: 60/091,791
 19 <151> PRIOR FILING DATE: 1998-07-06
 21 <160> NUMBER OF SEQ ID NOS: 4
 23 <170> SOFTWARE: PatentIn Ver. 2.1
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 1387
 27 <212> TYPE: DNA
 28 <213> ORGANISM: Mus sp.
 30 <220> FEATURE:
 31 <221> NAME/KEY: CDS
 32 <222> LOCATION: (218)..(1288)
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 35 cccttctcca gggactctgg ctgccagcag ctccgcctt cagatcaatt ctcgaccacc 60
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 39 ccaggacctc aaagcacccc cgacctaagg tcaccagccc actggcccca gacgcagtgg 180
 41 gctccgctga ctctcttgga caccccttgg gagaaaa atg ctc cct gtc tgc cat 235
 42 Met Leu Pro Val Cys His
 43 1 5
 45 cgt ttt tgc gac cac ctc ctc ctc ctg ttg ctg ccc tcg acg acc 283
 46 Arg Phe Cys Asp His Leu Leu Leu Leu Leu Leu Pro Ser Thr Thr
 47 10 15 20
 49 ctg gcc ccc gcg cca gca tcc atg ggc ccc gct gcc gcc ctg ctc cag 331
 50 Leu Ala Pro Ala Pro Ala Ser Met Gly Pro Ala Ala Leu Leu Gln
 51 25 30 35
 53 gtt ctt ggg ctt ccc gaa gcg ccc cgg agc gtc ccc aca cac cga cct 379
 54 Val Leu Gly Leu Pro Glu Ala Pro Arg Ser Val Pro Thr His Arg Pro
 55 40 45 50
 57 gtg cct cct gtc atg tgg cgc cta ttc cgt cgc cgt gac ccc cag gag 427
 58 Val Pro Pro Val Met Trp Arg Leu Phe Arg Arg Asp Pro Gln Glu
 59 55 60 65 70
 61 gcc aga gtg gga cgc cct ctg cgg cca tgc cac gtg gag gaa cta ggg 475
 62 Ala Arg Val Gly Arg Pro Leu Arg Pro Cys His Val Glu Glu Leu Gly
 63 75 80 85

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65	gtc	gcc	gga	aac	att	gtg	cgc	cac	atc	ccc	gac	agc	ggt	ctg	tcc	tcc	523
66	Val	Ala	Gly	Asn	Ile	Val	Arg	His	Ile	Pro	Asp	Ser	Gly	Leu	Ser	Ser	
67										90			95			100	
69	agg	ccc	gca	caa	ccc	gcc	agg	acc	tcg	ggg	ctg	tgc	ccc	gag	tgg	aca	571
70	Arg	Pro	Ala	Gln	Pro	Ala	Arg	Thr	Ser	Gly	Leu	Cys	Pro	Glu	Trp	Thr	
71										105			110			115	
73	gtc	gtc	ttt	gac	ctg	tcg	aat	gtg	gag	ccc	aca	gag	cgc	cca	aca	cgc	619
74	Val	Val	Phe	Asp	Leu	Ser	Asn	Val	Glu	Pro	Thr	Glu	Arg	Pro	Thr	Arg	
75										120			125			130	
77	gcg	cgc	tta	gag	ttg	cgg	ctg	gag	gct	gag	tgt	gaa	gat	aca	gga	ggg	667
78	Ala	Arg	Leu	Glu	Leu	Arg	Leu	Glu	Ala	Glu	Cys	Glu	Asp	Thr	Gly	Gly	
79										135			140			145	150
81	tgg	gag	cta	agc	gtg	gca	ctg	tgg	gcc	gac	gca	gag	cat	cca	ggg	cct	715
82	Trp	Glu	Leu	Ser	Val	Ala	Leu	Trp	Ala	Asp	Ala	Glu	His	Pro	Gly	Pro	
83										155			160			165	
85	gag	ctg	cgc	gtg	ccg	gcg	cca	cca	ggg	gtg	ctc	ctg	cgc	gca	gac		763
86	Glu	Leu	Leu	Arg	Val	Pro	Ala	Pro	Pro	Gly	Val	Leu	Leu	Arg	Ala	Asp	
87										170			175			180	
89	cta	ctg	ggg	act	gca	gta	gcc	gcc	aac	gca	tca	gtg	ccc	tgt	act	gtg	811
90	Leu	Leu	Gly	Thr	Ala	Val	Ala	Ala	Asn	Ala	Ser	Val	Pro	Cys	Thr	Val	
91										185			190			195	
93	cgc	ctg	gcg	ctg	tca	ctg	cac	cct	ggg	gcc	act	gca	gcc	tgt	ggg	cgc	859
94	Arg	Leu	Ala	Leu	Ser	Leu	His	Pro	Gly	Ala	Thr	Ala	Ala	Cys	Gly	Arg	
95										200			205			210	
97	ctg	gct	gag	gcc	tcc	ctg	ctg	gtg	acg	ctg	gac	cca	cgc	ctg	tgt		907
98	Leu	Ala	Glu	Ala	Ser	Leu	Leu	Leu	Val	Thr	Leu	Asp	Pro	Arg	Leu	Cys	
99										215			220			225	230
101	ccc	ttg	ccg	cga	ttg	cgg	cgc	cac	acg	gag	ccc	agg	gta	gaa	gtt	ggt	955
102	Pro	Leu	Pro	Arg	Leu	Arg	Arg	His	Thr	Glu	Pro	Arg	Val	Glu	Val	Gly	
103										235			240			245	
105	cca	gtg	ggc	act	tgt	cgt	acc	cga	cgg	ttg	cat	gtg	agc	ttc	cgt	gag	1003
106	Pro	Val	Gly	Thr	Cys	Arg	Thr	Arg	Arg	Leu	His	Val	Ser	Phe	Arg	Glu	
107										250			255			260	
109	gtg	ggc	tgg	cac	cgt	tgg	gtc	atc	gcg	ccg	cgt	ggc	ttc	cta	gcc	aac	1051
110	Val	Gly	Trp	His	Arg	Trp	Val	Ile	Ala	Pro	Arg	Gly	Phe	Leu	Ala	Asn	
111										265			270			275	
113	ttc	tgc	cag	ggc	acg	tgc	gca	cta	ccc	gaa	acg	ctg	agg	gga	ccc	ggc	1099
114	Phe	Cys	Gln	Gly	Thr	Cys	Ala	Leu	Pro	Glu	Thr	Leu	Arg	Gly	Pro	Gly	
115										280			285			290	
117	ggg	ccg	cct	gca	ctc	aac	cac	gct	gtg	ctg	cgc	gct	ctc	atg	cac	gca	1147
118	Gly	Pro	Pro	Ala	Leu	Asn	His	Ala	Val	Leu	Arg	Ala	Leu	Met	His	Ala	
119										295			300			305	310
121	gct	gct	ccc	acc	ccg	ggt	gca	ggc	tcg	ccc	tgc	tgc	gtg	cca	gag	cgt	1195
122	Ala	Ala	Pro	Thr	Pro	Gly	Ala	Gly	Ser	Pro	Cys	Cys	Val	Pro	Glu	Arg	
123										315			320			325	
125	cta	tca	ccc	atc	tcc	gtg	ctc	ttc	gac	aat	agt	gac	aac	gtg	gtc		1243
126	Leu	Ser	Pro	Ile	Ser	Val	Leu	Phe	Phe	Asp	Asn	Ser	Asp	Asp	Asn	Val	
127										330			335			340	
129	ctg	cga	cac	tac	gaa	gac	atg	gtg	gtg	gat	gag	tgt	ggc	tgc	cgt		1288

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130 Leu Arg His Tyr Glu Asp Met Val Val Asp Glu Cys Gly Cys Arg
131 345 350 355
133 tgaccacccg ggacaccctt tcagggaccg ccccacgcaa aagcagggac tgtttggca 1348
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147 Leu Leu Pro Ser Thr Thr Leu Ala Pro Ala Pro Ala Ser Met Gly Pro
148 20 25 30
150 Ala Ala Ala Leu Leu Gln Val Leu Gly Leu Pro Glu Ala Pro Arg Ser
151 35 40 45
153 Val Pro Thr His Arg Pro Val Pro Pro Val Met Trp Arg Leu Phe Arg
154 50 55 60
156 Arg Arg Asp Pro Gln Glu Ala Arg Val Gly Arg Pro Leu Arg Pro Cys
157 65 70 75 80
159 His Val Glu Glu Leu Gly Val Ala Gly Asn Ile Val Arg His Ile Pro
160 85 90 95
162 Asp Ser Gly Leu Ser Ser Arg Pro Ala Gln Pro Ala Arg Thr Ser Gly
163 100 105 110
165 Leu Cys Pro Glu Trp Thr Val Val Phe Asp Leu Ser Asn Val Glu Pro
166 115 120 125
168 Thr Glu Arg Pro Thr Arg Ala Arg Leu Glu Leu Arg Leu Glu Ala Glu
169 130 135 140
171 Cys Glu Asp Thr Gly Gly Trp Glu Leu Ser Val Ala Leu Trp Ala Asp
172 145 150 155 160
174 Ala Glu His Pro Gly Pro Glu Leu Leu Arg Val Pro Ala Pro Pro Gly
175 165 170 175
177 Val Leu Leu Arg Ala Asp Leu Leu Gly Thr Ala Val Ala Ala Asn Ala
178 180 185 190
180 Ser Val Pro Cys Thr Val Arg Leu Ala Leu Ser Leu His Pro Gly Ala
181 195 200 205
183 Thr Ala Ala Cys Gly Arg Leu Ala Glu Ala Ser Leu Leu Leu Val Thr
184 210 215 220
186 Leu Asp Pro Arg Leu Cys Pro Leu Pro Arg Leu Arg Arg His Thr Glu
187 225 230 235 240
189 Pro Arg Val Glu Val Gly Pro Val Gly Thr Cys Arg Thr Arg Arg Leu
190 245 250 255
192 His Val Ser Phe Arg Glu Val Gly Trp His Arg Trp Val Ile Ala Pro
193 260 265 270
195 Arg Gly Phe Leu Ala Asn Phe Cys Gln Gly Thr Cys Ala Leu Pro Glu
196 275 280 285
198 Thr Leu Arg Gly Pro Gly Pro Pro Ala Leu Asn His Ala Val Leu
199 290 295 300
201 Arg Ala Leu Met His Ala Ala Ala Pro Thr Pro Gly Ala Gly Ser Pro
202 305 310 315 320

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204 Cys Cys Val Pro Glu Arg Leu Ser Pro Ile Ser Val Leu Phe Phe Asp
205 325 330 335
207 Asn Ser Asp Asn Val Val Leu Arg His Tyr Glu Asp Met Val Val Asp
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210 Glu Cys Gly Cys Arg
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224 <211> LENGTH: 9
225 <212> TYPE: PRT
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228 <400> SEQUENCE: 4
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VERIFICATION SUMMARY
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L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date